

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050222\
 Data File : BF128035.D
 Acq On : 02 May 2022 19:36
 Operator : CG\JU
 Sample : N2605-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-042822

Quant Time: May 03 07:28:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/03/2022
 Supervised By :Jagrut Upadhyay 05/05/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	104639	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	355569	20.000	ng	0.00
39) Acenaphthene-d10	9.975	164	162425	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	258865	20.000	ng	0.00
76) Chrysene-d12	14.127	240	162892	20.000	ng	0.01
86) Perylene-d12	15.645	264	111370	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	555770	84.598	ng	0.00
7) Phenol-d6	6.563	99	698390	81.928	ng	0.00
23) Nitrobenzene-d5	7.498	82	472168	62.444	ng	0.00
42) 2,4,6-Tribromophenol	10.769	330	130396	79.749	ng	0.00
45) 2-Fluorobiphenyl	9.292	172	686297	71.481	ng	0.00
79) Terphenyl-d14	13.074	244	605376	67.957	ng	0.02
Target Compounds						Qvalue
71) Phenanthrene	11.492	178	32105	2.369	ng	98
75) Fluoranthene	12.698	202	56314	3.949	ng	95
78) Pyrene	12.969	202	62043m	4.718	ng	
81) Benzo(a)anthracene	14.115	228	29249	2.694	ng	# 86
83) Chrysene	14.151	228	33224	3.204	ng	# 84
84) Bis(2-ethylhexyl)phtha...	14.080	149	18113	2.650	ng	# 89
88) Benzo(b)fluoranthene	15.186	252	27319m	3.905	ng	
90) Benzo(a)pyrene	15.574	252	15717	2.709	ng	# 57

(#) = qualifier out of range (m) = manual integration (+) = signals summed

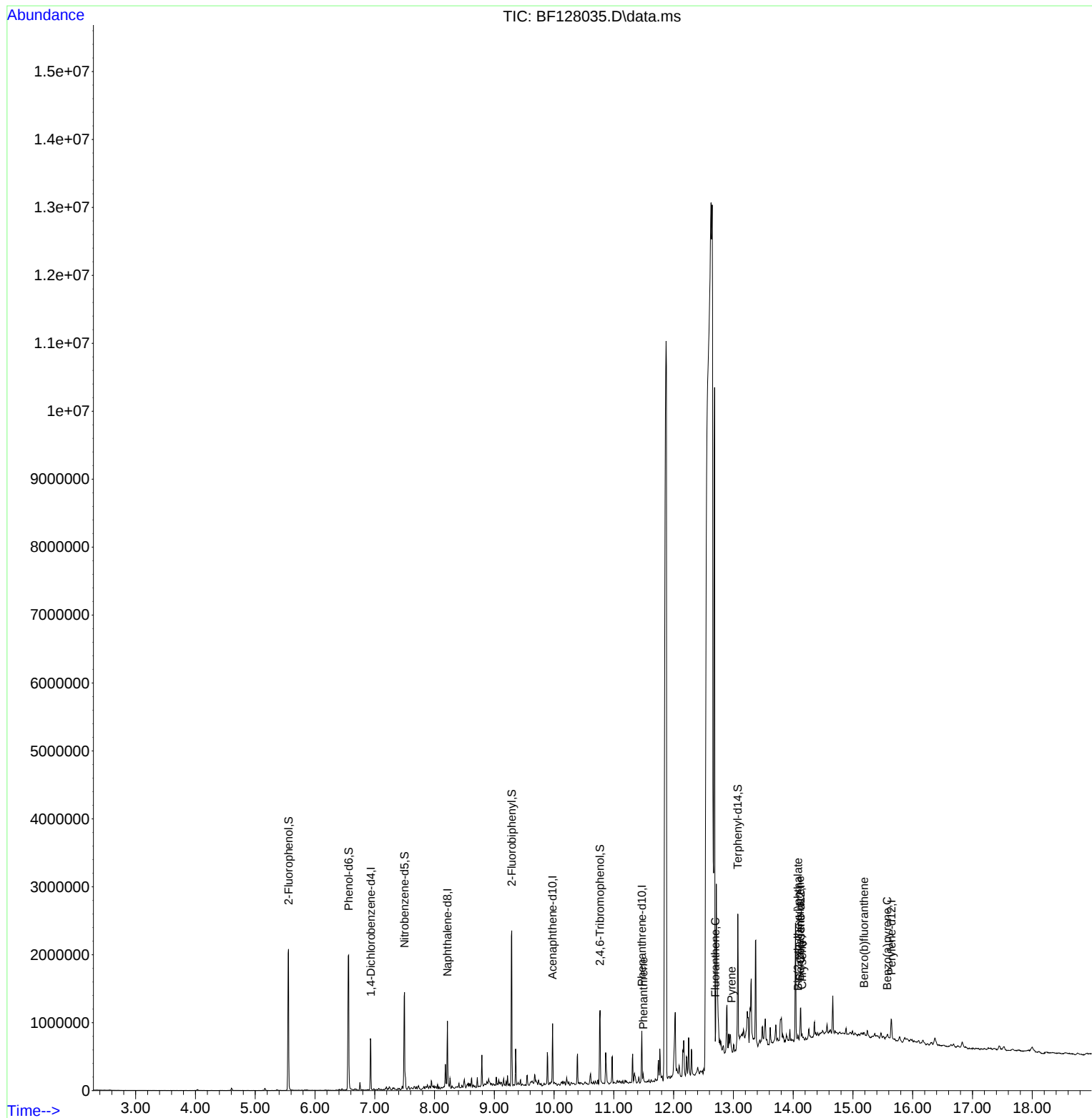
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050222\
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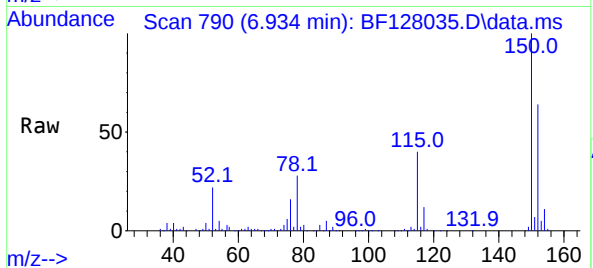
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36

Instrument :

BNA_F

ClientSampleId :

TR-04-042822

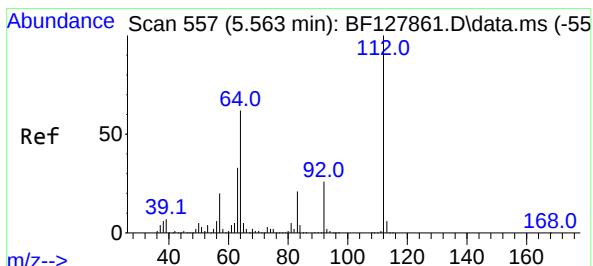
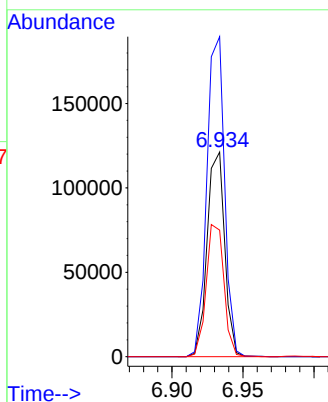
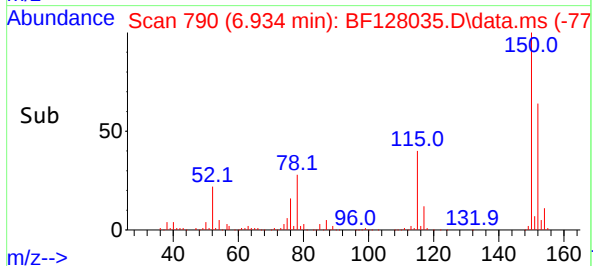


Tgt Ion:152 Resp: 104639
Ion Ratio Lower Upper
152 100
150 156.3 125.3 187.9
115 61.8 48.8 73.2

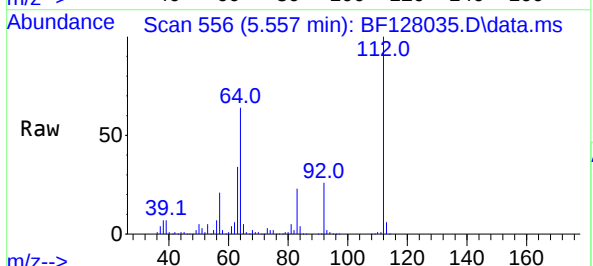
Manual Integrations

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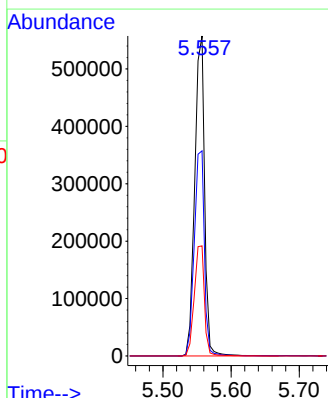
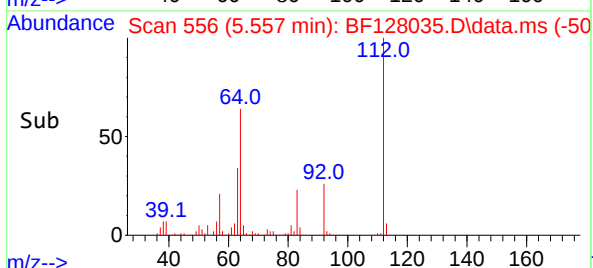
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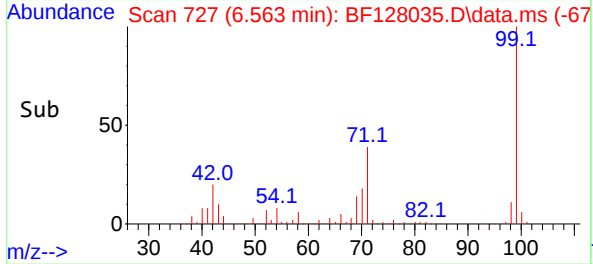
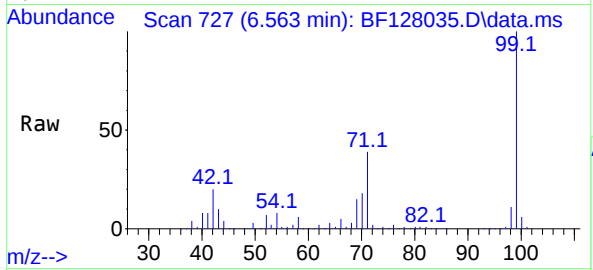
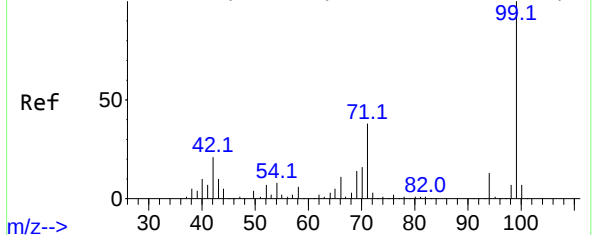
#5
2-Fluorophenol
Concen: 84.598 ng
RT: 5.557 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36



Tgt Ion:112 Resp: 555770
Ion Ratio Lower Upper
112 100
64 64.1 49.5 74.3
63 34.4 26.3 39.5



Abundance Scan 728 (6.569 min): BF127861.D\data.ms (-72



#7

Phenol-d6

Concen: 81.928 ng

RT: 6.563 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF128035.D

Acq: 02 May 2022 19:36

Instrument :

BNA_F

ClientSampleId :

TR-04-042822

Tgt Ion: 99 Resp: 698390

Ion Ratio Lower Upper

99 100

42 20.0 16.6 24.8

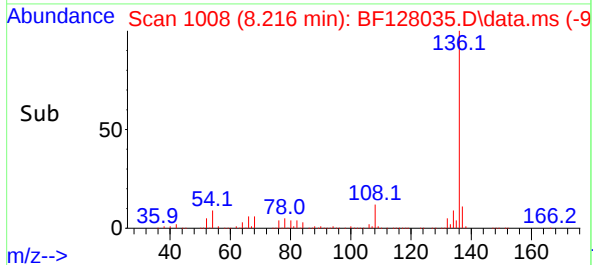
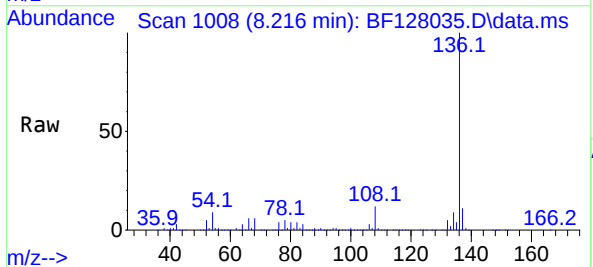
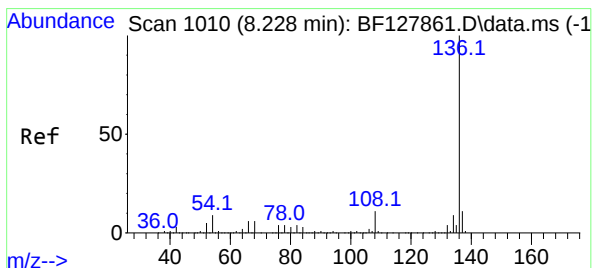
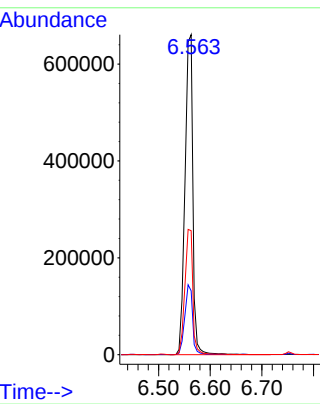
71 38.7 30.0 45.0

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.216 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF128035.D

Acq: 02 May 2022 19:36

Tgt Ion:136 Resp: 355569

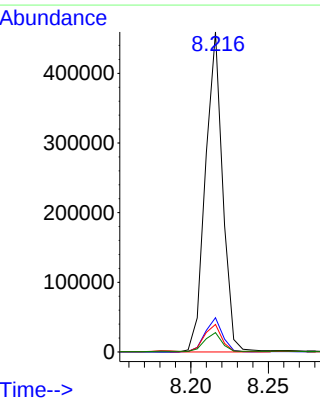
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 8.6 6.8 10.2

68 6.1 5.1 7.7





#23

Nitrobenzene-d5

Concen: 62.444 ng

RT: 7.498 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF128035.D

Acq: 02 May 2022 19:36

Instrument :

BNA_F

ClientSampleId :

TR-04-042822

Tgt Ion: 82 Resp: 472168

Ion Ratio Lower Upper

82 100

128 39.3 30.0 45.0

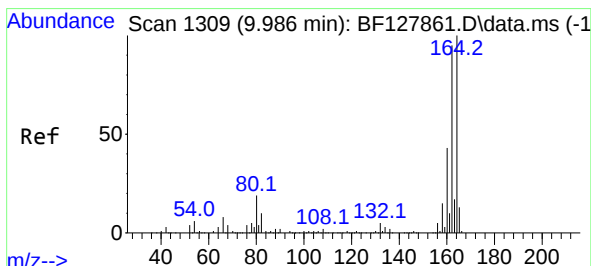
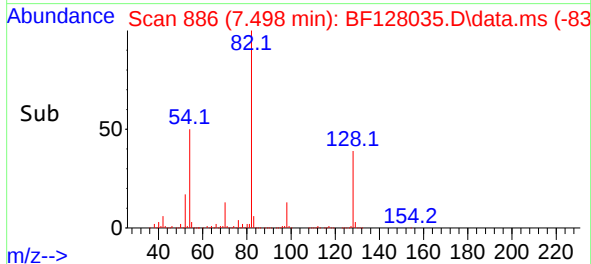
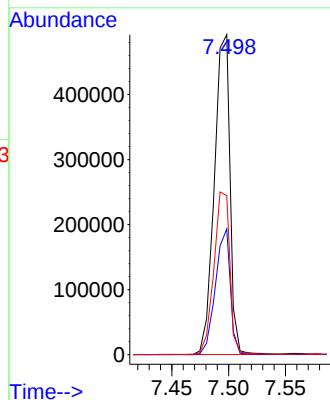
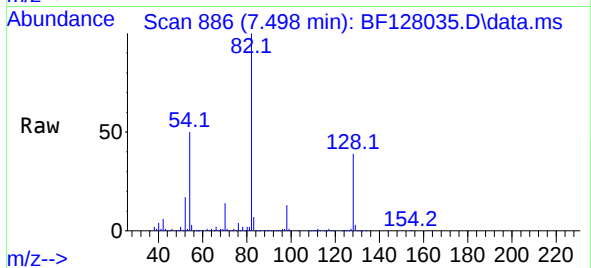
54 49.7 41.3 61.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.975 min Scan# 1307

Delta R.T. 0.000 min

Lab File: BF128035.D

Acq: 02 May 2022 19:36

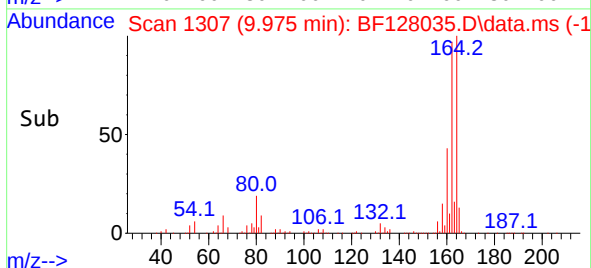
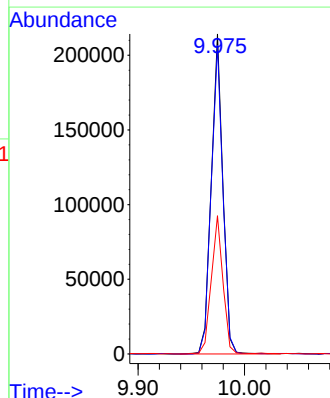
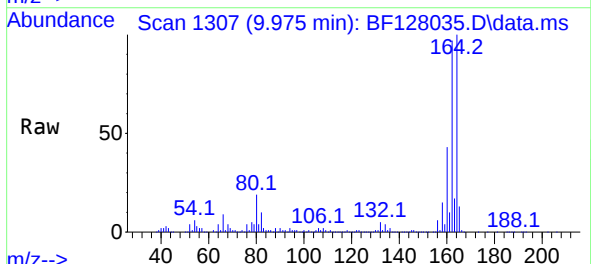
Tgt Ion:164 Resp: 162425

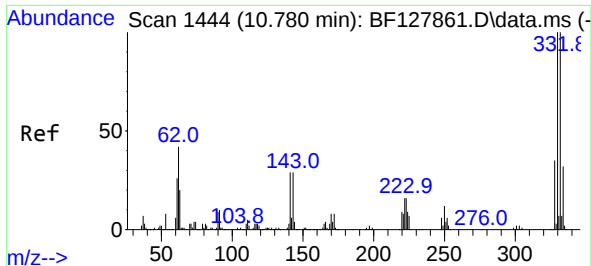
Ion Ratio Lower Upper

164 100

162 96.6 76.0 114.0

160 43.2 34.8 52.2





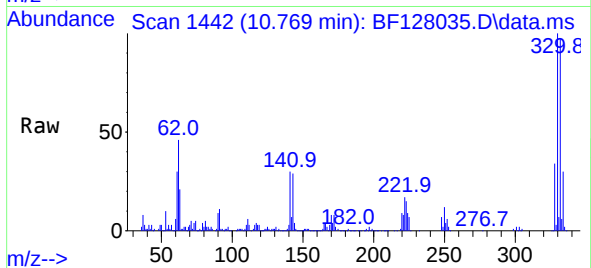
#42
2,4,6-Tribromophenol
Concen: 79.749 ng
RT: 10.769 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36

Instrument :

BNA_F

ClientSampleId :

TR-04-042822

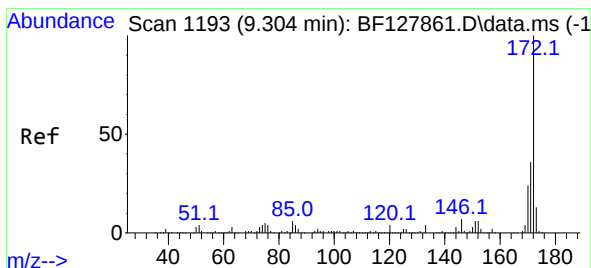
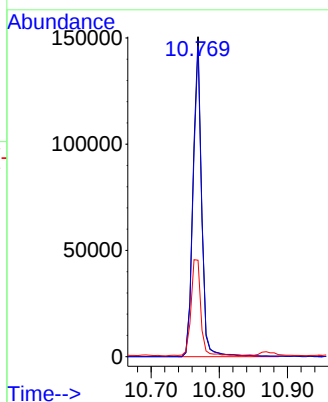
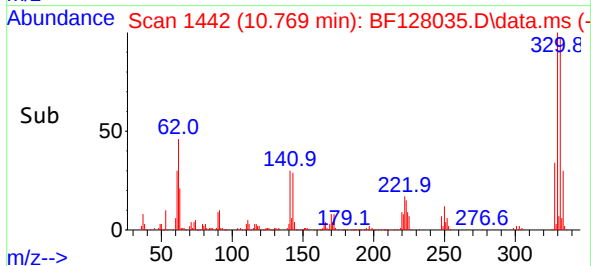


Tgt Ion:330 Resp: 130390
Ion Ratio Lower Upper
330 100
332 97.4 79.0 118.4
141 34.6 28.9 43.3

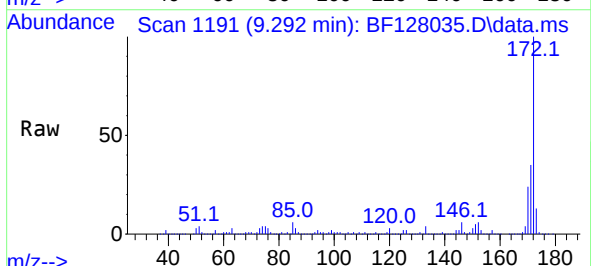
Manual Integrations

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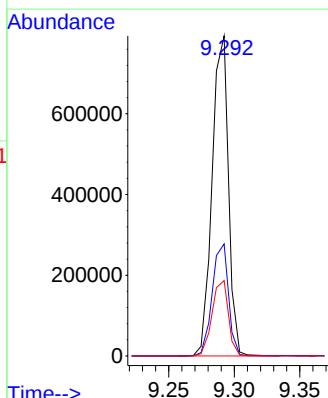
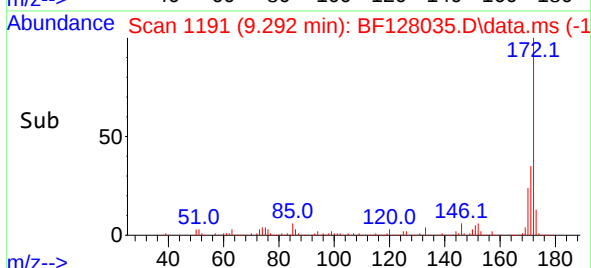
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022

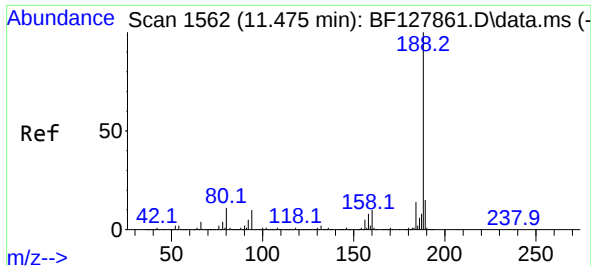


#45
2-Fluorobiphenyl
Concen: 71.481 ng
RT: 9.292 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36



Tgt Ion:172 Resp: 686297
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.5 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.469 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36

Instrument :

BNA_F

ClientSampleId :

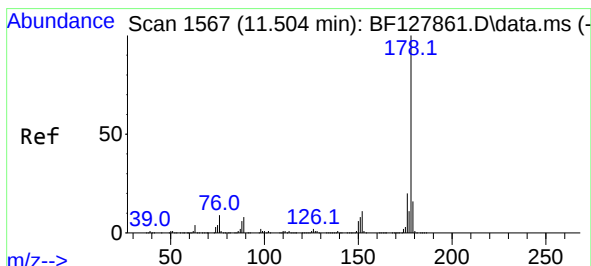
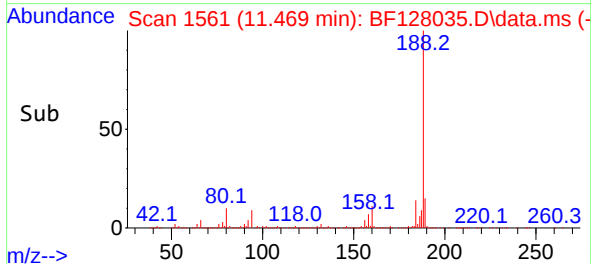
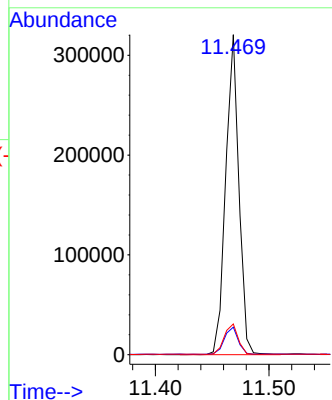
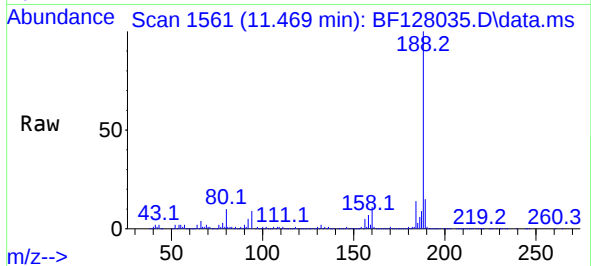
TR-04-042822

Tgt Ion:188 Resp: 25886
Ion Ratio Lower Upper
188 100
94 8.6 8.0 12.0
80 9.6 8.9 13.3

Manual Integrations

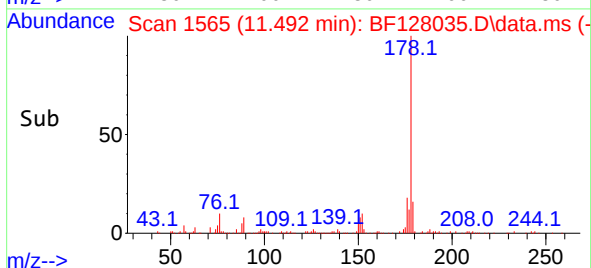
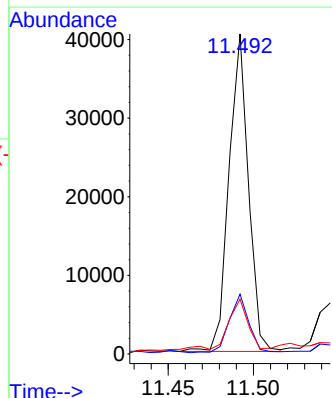
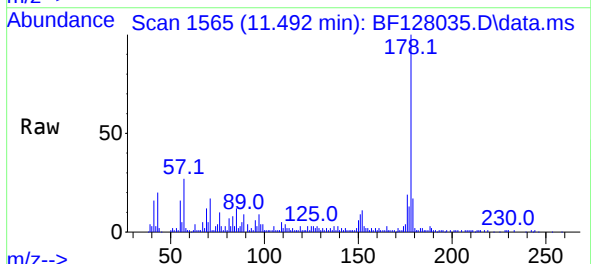
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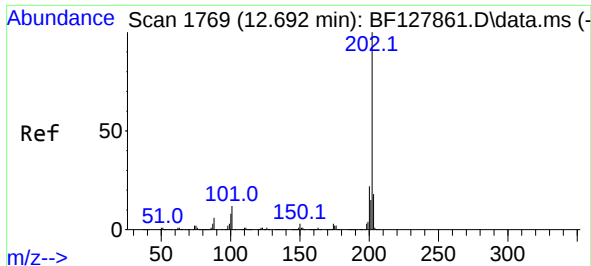
Reviewed By :Christian Giraldo 05/03/2022
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#71
Phenanthrene
Concen: 2.369 ng
RT: 11.492 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36

Tgt Ion:178 Resp: 32105
Ion Ratio Lower Upper
178 100
176 18.7 15.7 23.5
179 17.1 12.6 19.0





#75
Fluoranthene
Concen: 3.949 ng
RT: 12.698 min Scan# 1769
Delta R.T. 0.012 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36

Instrument :

BNA_F

ClientSampleId :

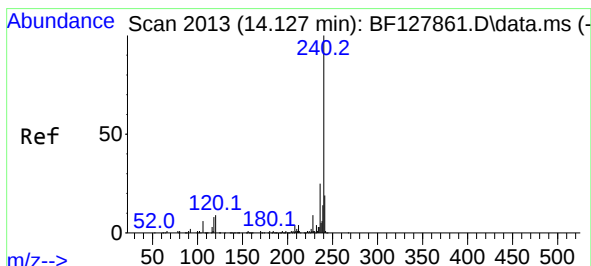
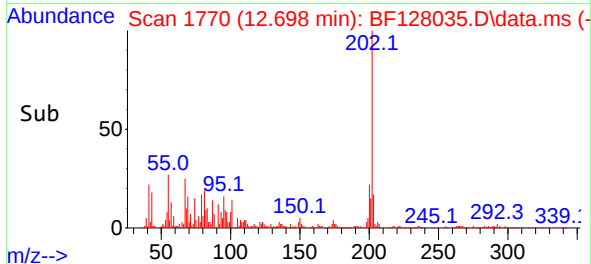
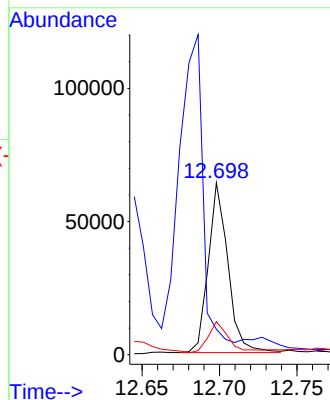
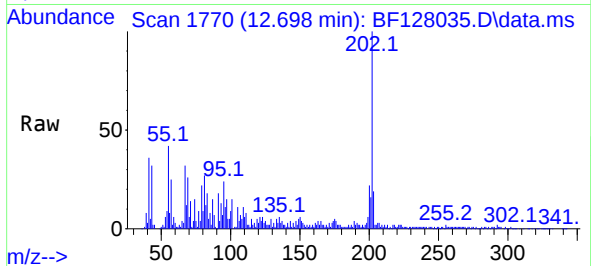
TR-04-042822

Tgt Ion:202 Resp: 56314
Ion Ratio Lower Upper
202 100
101 14.8 0.0 31.6
203 19.3 0.0 38.1

Manual Integrations

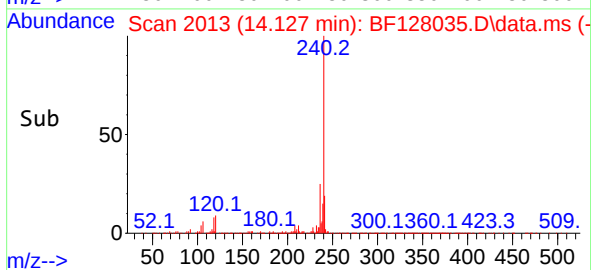
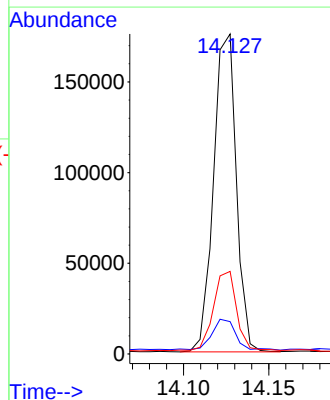
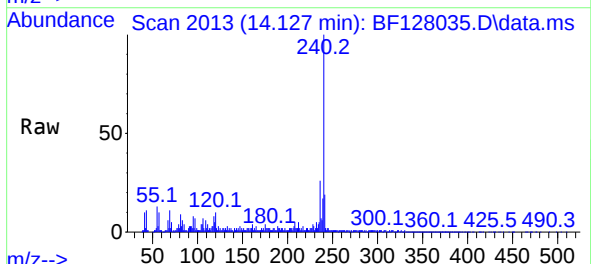
APPROVED

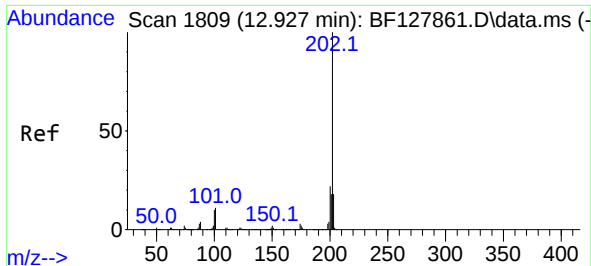
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2013
Delta R.T. 0.012 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36

Tgt Ion:240 Resp: 162892
Ion Ratio Lower Upper
240 100
120 10.1 7.0 10.6
236 25.8 20.3 30.5





#78
Pyrene
Concen: 4.718 ng m
RT: 12.969 min Scan# 1816
Delta R.T. 0.053 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36

Instrument :

BNA_F

ClientSampleId :

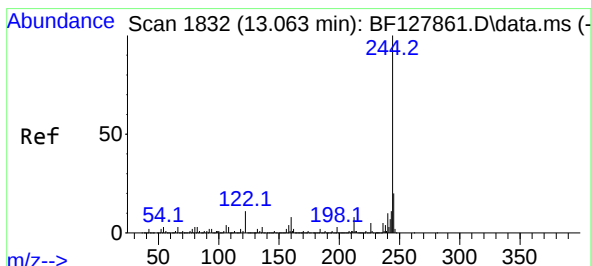
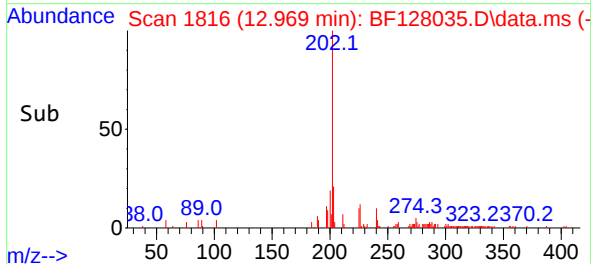
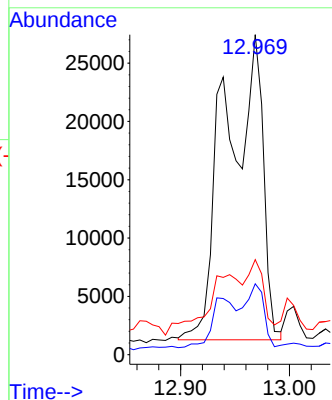
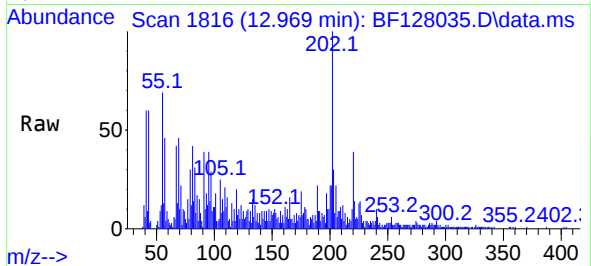
TR-04-042822

Tgt Ion:202 Resp: 6204
Ion Ratio Lower Upper
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200 22.2 17.4 26.2
203 29.7 14.0 21.0

Manual Integrations

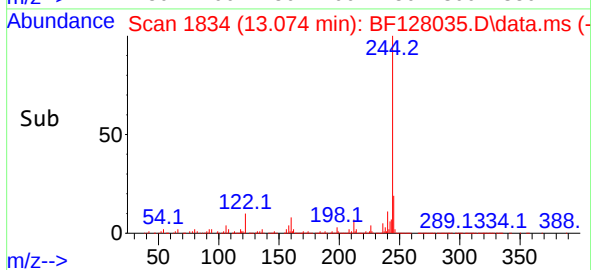
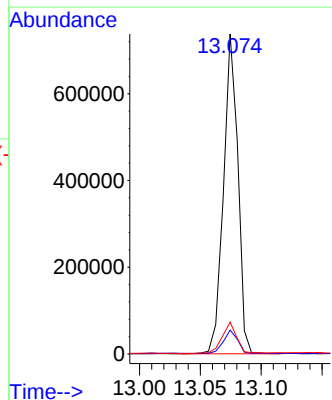
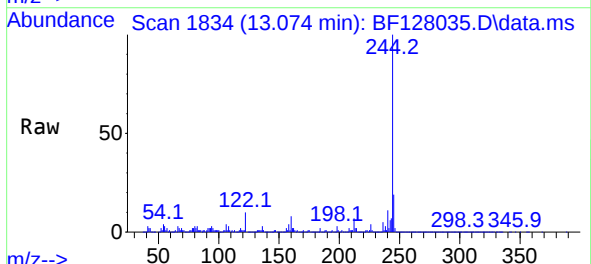
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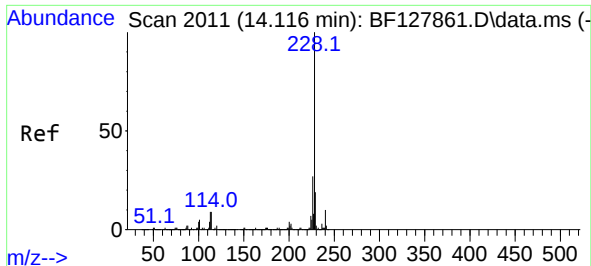
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#79
Terphenyl-d14
Concen: 67.957 ng
RT: 13.074 min Scan# 1834
Delta R.T. 0.018 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36

Tgt Ion:244 Resp: 605376
Ion Ratio Lower Upper
244 100
212 7.5 6.2 9.4
122 10.0 8.6 12.8





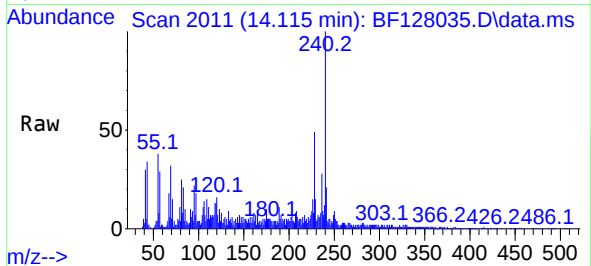
#81
Benzo(a)anthracene
Concen: 2.694 ng
RT: 14.115 min Scan# 2011
Delta R.T. 0.012 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36

Instrument :

BNF_F

ClientSampleId :

TR-04-042822

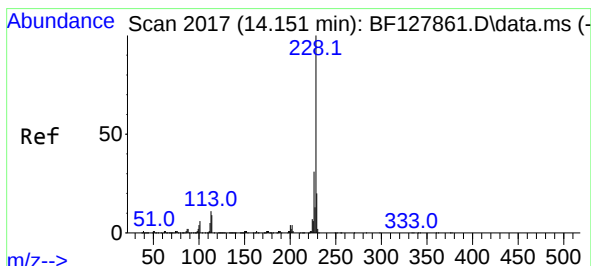
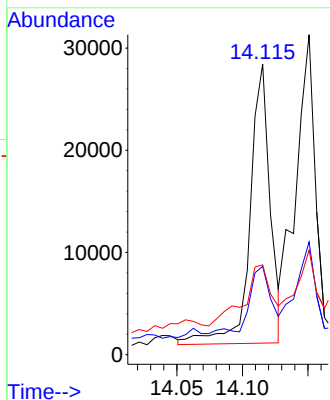
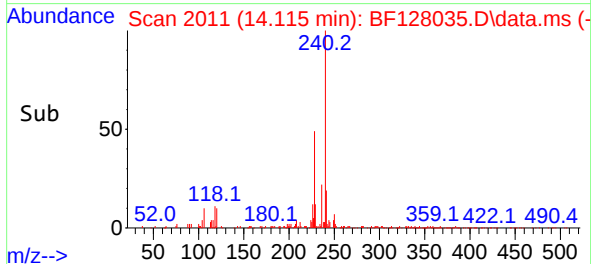


Tgt Ion:228 Resp: 29249
Ion Ratio Lower Upper
228 100
226 30.4 21.7 32.5
229 30.9 15.4 23.2

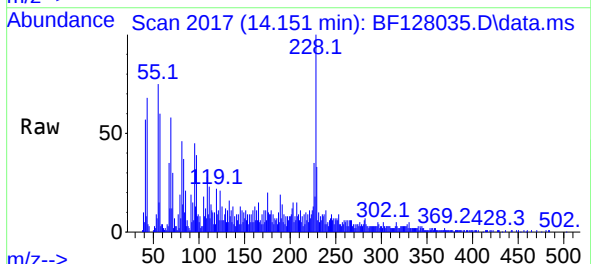
Manual Integrations

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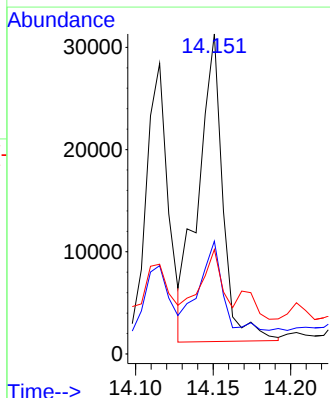
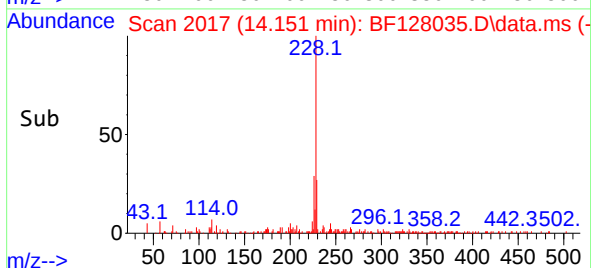
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022

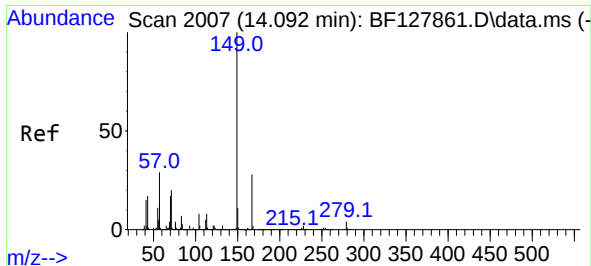


#83
Chrysene
Concen: 3.204 ng
RT: 14.151 min Scan# 2017
Delta R.T. 0.012 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36



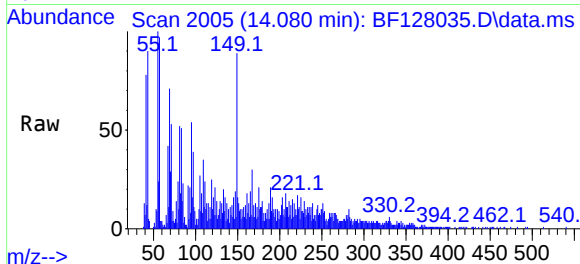
Tgt Ion:228 Resp: 33224
Ion Ratio Lower Upper
228 100
226 35.3 24.4 36.6
229 32.6 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.650 ng
RT: 14.080 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36

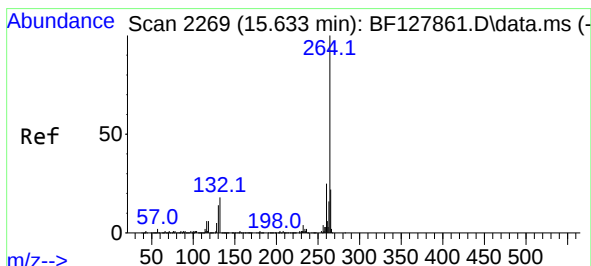
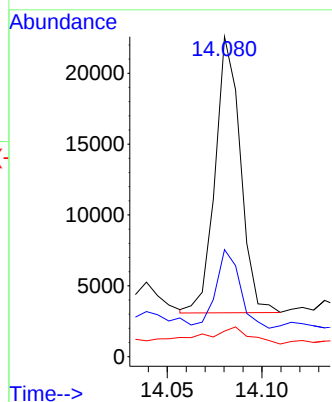
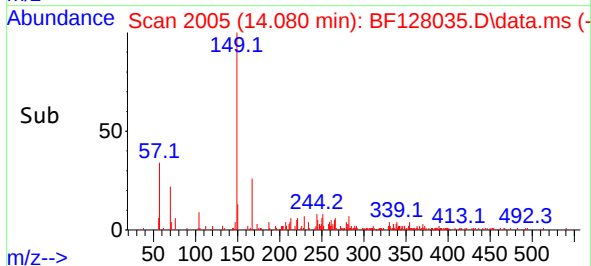
Instrument :
BNA_F
ClientSampleId :
TR-04-042822



Tgt Ion:149 Resp: 1811
Ion Ratio Lower Upper
149 100
167 33.4 22.0 33.0
279 8.0 3.4 5.0

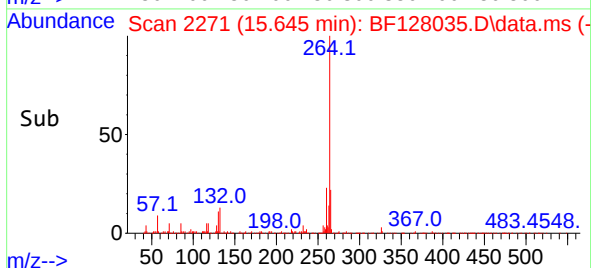
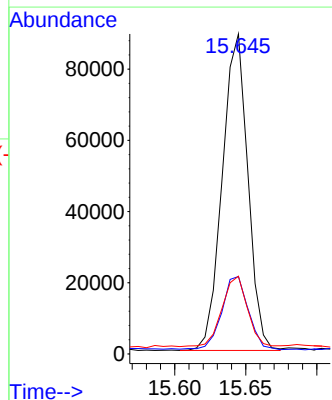
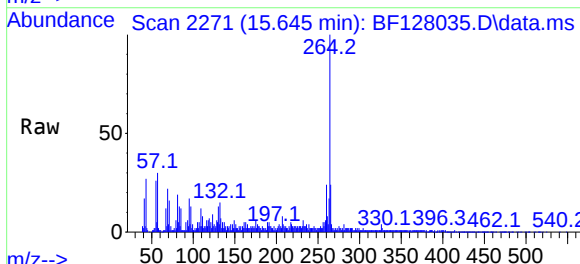
Manual Integrations
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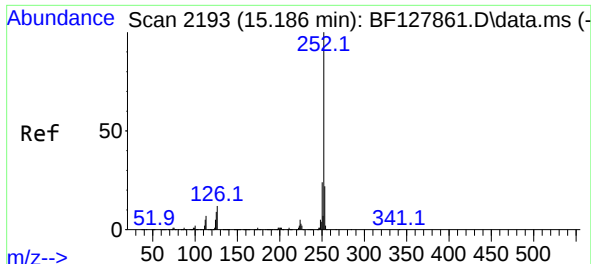
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2271
Delta R.T. 0.024 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36

Tgt Ion:264 Resp: 111370
Ion Ratio Lower Upper
264 100
260 24.2 20.1 30.1
265 24.3 17.5 26.3





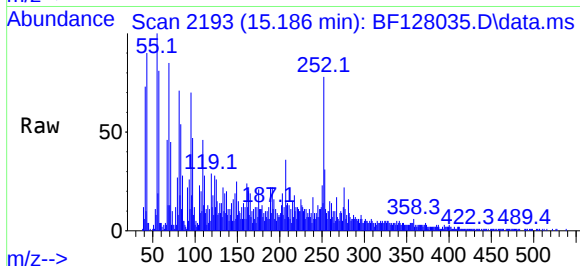
#88
Benzo(b)fluoranthene
Concen: 3.905 ng m
RT: 15.186 min Scan# 2193
Delta R.T. 0.012 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36

Instrument :

BNF

ClientSampleId :

TR-04-042822

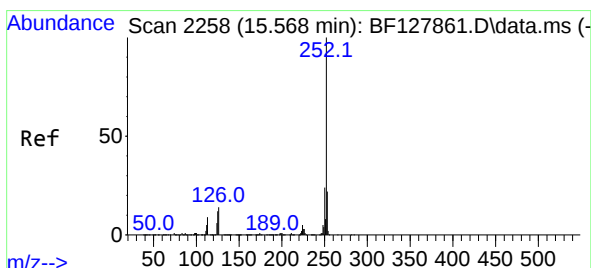
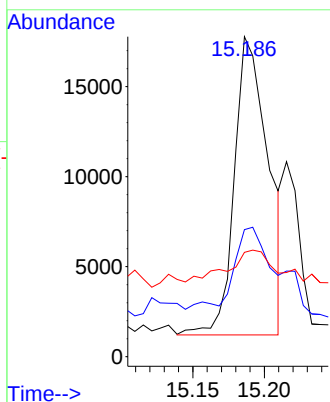
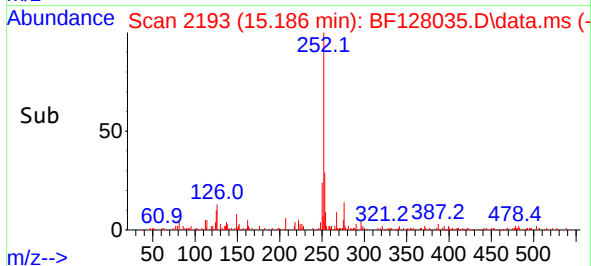


Tgt Ion:252 Resp: 27319
Ion Ratio Lower Upper
252 100
253 39.7 17.4 26.2
125 32.6 7.4 11.2

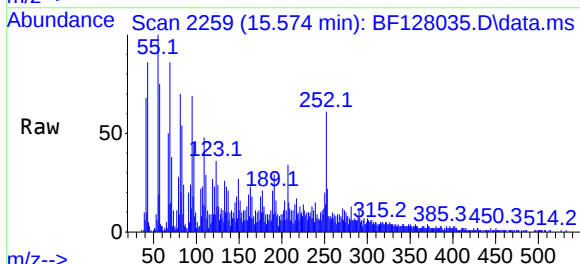
Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#90
Benzo(a)pyrene
Concen: 2.709 ng
RT: 15.574 min Scan# 2259
Delta R.T. 0.018 min
Lab File: BF128035.D
Acq: 02 May 2022 19:36



Tgt Ion:252 Resp: 15717
Ion Ratio Lower Upper
252 100
253 35.3 17.8 26.6#
125 39.1 9.2 13.8#

